

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled).

Claim 14 (New): An internal control device for a mechanical gearbox comprising:
first and second input clutches that respectively control transmission of engine torque to concentric first and second primary shafts carrying fixed pinions, with two secondary shafts carrying idler pinions driven respectively by the first and second primary shafts, and with claw-coupling means of the idler pinions actuated by an assembly of forks,
wherein a common selector composed of a selection drum and a shift carriage concentric with the drum and disposed in the interior thereof is configured to assure selection of and shifting between all gear ratios of the box.

Claim 15 (New): A control device according to claim 14, wherein the selection drum is fixed axially but is mobile in rotation.

Claim 16 (New): A control device according to claim 14, wherein the selection drum drives the carriage in rotation.

Claim 17 (New): A control device according to claim 14, wherein the carriage includes fingers that displace rods of the forks to engage the gear ratios.

Claim 18 (New): A control device according to claim 14, wherein the selection drum includes at least three peripheral sectors of larger diameter cooperating with drive claws of rods of the forks.

Claim 19 (New): A control device according to claim 18, wherein the three peripheral sectors of the selection drum include three zones of different angular inclinations relative to the axis of rotation of the drum, cooperating with the drive claws respectively to initiate an axial displacement thereof from a position with gear ratios engaged to a neutral position, to achieve the axial displacement and to lock the fork rods in a neutral position.

Claim 20 (New): An internal control device according to claim 18, the peripheral sectors of the selection drum have at their ends a first angular zone with non-parallel flanks of progressive slope, which cooperate with the drive claws to initiate an axial displacement thereof from a position with gear ratios engaged to a neutral position as a dead point, and an angular zone with parallel flanks, which cooperate with the drive claws to lock the fork rods that engage the gear ratios in position.

Claim 21 (New): A control device according to claim 19, wherein the angular zones of the peripheral sectors are oriented transversely relative to the axis of rotation of the selection drum.

Claim 22 (New): A control device according to claim 21, further comprising a central peripheral sector that cooperates with drive claws.

Claim 23 (New): A control device according to claim 22, wherein the central peripheral sector includes zones with inclined flanks at its two ends, whereas other sectors have zones with inclined flanks only at their end facing the central sector.

Claim 24 (New): A control device according to claim 14, wherein engagement and disengagement of all gear ratios is effected by simple rotation of the rotation of the selection drum.

Claim 25 (New): A control device according to claim 14, wherein the selection drum permits simultaneous engagement of two gear ratios of different parity.

Claim 26 (New): A control device according to claim 14, wherein the selection drum disengages a gear ratio of a same parity as that in a course of selection.